

**IN THE SPECIFICATION:**

Kindly amend the specification as follows:

Please replace the third paragraph on page 2, with the following currently amended paragraph.

However, the user of these portable electronic devices is generally allowed to access the stored values via a personal computer into which the values have previously been transferred. Indeed, the user cannot directly use the digital display of the stored values on the portable device. Moreover, a graphic type display cannot be easily ~~realised~~ realized because of the dimensions necessary to make the latter legible, such dimensions being incompatible with conventional requirements, in terms of space requirement, in the manufacture of such portable electronic devices.

Please replace the last paragraph on page 8, with the following currently amended paragraph.

When the pressure sensor is powered to take one measurement per second, each measurement is preferably stored in a specific memory zone at ~~lest~~ least for the first three ~~minute~~ minutes. If the dive is a snorkel dive whose length his less than three minutes, a sufficient number of measurements is therefore stored to the dive history to be reliably reproduced.

Please replace the third full paragraph on page 10, with the following currently amended paragraph.

The historic mode has a major advantage as regards safety, since it displays the profile of the selected dive quickly, which is very important information for a doctor called

following a dive accident. Usually, a doctor can see the dive profile by transferring data from a dive computer onto a read and exploitation terminal, possibly of the personal computer type. The historic mode according to the present invention provides an advantage over devices of the state of the art in terms of speed of access to such data. Moreover, the advantages explained hereinbefore, concerning the legibility of the dive watch 1 also apply to the use of the historic mode. It is quite easy to ~~visualise~~ visualize the selected dive profile by observing the movement of hands 10 and 11.

Please replace the fifth full paragraph on page 10, with the following currently amended paragraph.

Generally, the electronic circuit of the watch includes in particular an integrated circuit 20 including a controller circuit 21 able to manage the conventional time functions of watch 1 including, for this purpose, a time division circuit and connected in particular to a resonator 22 supplying a time base. From this time base, controller circuit ~~221~~ 21 produces time data, particularly for performing the time mode functions and dive mode related functions.

Please replace the sixth full paragraph on page 10, with the following currently amended paragraph.

Moreover, controller circuit 21 receives ~~at~~ input signals generated by a pressure sensor 23 generating analogue electric signals representative of the surrounding pressure. These signals pass through an analogue-digital converter 24 prior to be supplied to the input of controller circuit 21 in the form of digital signals.

Please replace the last paragraph beginning on page 10, with the following currently amended paragraph.

Integrated circuit 20 also includes memory zones, particular a first memory zone 25, preferably of the non-volatile type, containing a ~~programme~~program allowing controller circuit 21 to perform calculations relating to the dive mode, like for example the conversion of pressure measurements into depth values. The choice of a reprogrammable non-volatile memory (Flash or EPROM, for example) enables the calculation ~~programme~~program to be updated subsequently. Integrated circuit 20 includes in a preferred manner at least a second memory zone 26, also of the non-volatile type, in which the measurements and the results of the calculations made by controller circuit 21 are periodically stored. This second memory zone 26 is provided for storing depth measurements and the corresponding time measurements relating to the last dive or dives. Thus, controller circuit 21 consults this data, in particular when the watch is in the historic mode.

Please replace the third paragraph beginning on page 19, with the following currently amended paragraph.

It is clear that the present invention is not limited to the nature of the displayed information. By way of example, an alternative embodiment (not shown) of the device according to the present invention could be envisaged, on the basis of watch 40 that has just been described, programmed to display, instead of an altitude and altitude difference, an instantaneous speed of the altitude variation and a mean speed of the calculated altitude variation over a sliding period. This type of electronic device proves useful for ~~practising~~practicing certain air sports such as paragliding or gliding. This variant has an additional advantage in relation to watch 40, from the point of view of legibility, because the relative

position of the hands provides an additional indication, this indication being a qualitative appreciation of the altitude variation acceleration.

Please replace the last paragraph beginning on page 20, with the following currently amended paragraph.

Whereas minute hand 11 displays the altitude at a given instant, hour hand 10 is made to display the corresponding temperature, as it was stored during the course of the acquisition mode. Thus, ~~visualisation~~ visualization of the history display provides the user of watch 50 with a good appreciation of the change in temperature as a function of altitude during a hike, for example. Indeed, the display means used are extremely easy to read and provide an intuitive approach making the information displayed very clear to the user.

Please replace the first full paragraph beginning on page 22, with the following currently amended paragraph.

Additional variants could be envisaged for the previously described embodiments wherein a third hand is implemented, such as for example, a ~~centre~~ center seconds hand.